



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,394	02/24/2004	Steve A. Yon	137001	6524

7590 05/08/2006

Mark D. Wieczorek, Ph.D., Esq.  
Innercool Therapies, Inc.  
3931 Sorrento Valley Boulevard  
San Diego, CA 92121

EXAMINER
----------

GIBSON, ROY DEAN

ART UNIT	PAPER NUMBER
----------	--------------

3739

DATE MAILED: 05/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

②

<b>Office Action Summary</b>	<b>Application No.</b> 10/785,394	<b>Applicant(s)</b> YON, STEVE A.	
	<b>Examiner</b> Roy D. Gibson	<b>Art Unit</b> 3739	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on March 6, 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-32 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 31 and 32 is/are allowed.
- 6) ☐ Claim(s) 1-3, 6-18 and 21-30 is/are rejected.
- 7) ☒ Claim(s) 4, 5, 19 and 20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \* c) ☐ None of:  
         1. ☐ Certified copies of the priority documents have been received.  
         2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Entry of Amendment***

Applicant's amendment filed on March 6, 2006 is acknowledged. Claims 1-32 are currently pending.

***Prior Rejections or Objections***

The following comments pertain to the rejections or objections in the most recent Office action mailed on Sep. 7, 2005. Rejections under 35 U.S.C. 112, 102 and 103 are withdrawn, however, new grounds of rejection are presented below.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 6-16, 18 and 21-30 rejected under 35 U.S.C. 102(b) as being anticipated by Dobak, III et al. (6,261,312). Dobak et al. disclose a catheter system and its method of use in changing the temperature of the blood by heat transfer to and from a circulating working fluid, comprising the identical structure as claimed by Applicant (Figure 3 of Dobak), wherein the heat transfer element is a balloon made of rubber with flexible supply and return lumens capable of undergoing inflation, wherein the working fluid is saline, wherein the length of the supply lumen is between 5 and 30 cm, wherein the helical shape of the return lumen is less than about 8 mm when inflated, wherein the

Art Unit: 3739

working fluid supply is configured to produce a pressurized working fluid at a temperature of between about -3 to 36°C and at a pressure below about 5 atm, and wherein the return lumen includes a surface coating including heparin (col. 3, lines 7-19 and line 45-col. 4, line 28, col. 8, lines 35-46, col. 9, lines 32-58 col. 15, lines 57-61 and col. 16, lines 1-36).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dobak et al. in view of Dato (3,325,419). Dobak et al. fail to disclose the heat transfer element is made of a flexible conductive metal. But, Date discloses a catheter for heat exchange with the blood in the vasculature and which is made of stainless steel, suggesting that it would have been obvious to a skillful artisan to modify the device of Dobak et al. as disclosed by Dato, to provide a catheter with higher thermal conductivity and therefore, higher heat transfer for the application (see Dato, col. 3, lines 3-60).

### ***Allowable Subject Matter***


Claims 31-32 are allowed.

Claims 4, 5, 19 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roy D. Gibson whose telephone number is 571-272-4767. The examiner can normally be reached on Tu-Th, 7:30 am-4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Linda Dvorak can be reached on 571-272-4764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Roy D. Gibson  
Primary Examiner  
Art Unit 3739

May 2, 2006